

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	74	Rosemount.as. and ((process adj device) and vibration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 11:59
L2	2	Rosemount.as. and ((process adj device) and vibration and coupling and disturbance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:00
L3	8	Rosemount.as. and (process and device and vibration and coupling and disturbance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:00
L4	46	((Longsdorf with (Randy R) (Blumeyer with (Chad C))).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:02
L5	2	4 and (process and device and vibration and coupling and disturbance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:02
L8	189	700/48.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:15
L9	150	700/50.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:15



L10	110	700/54.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:15
L11	736	700/79.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:15
L12	270	700/80.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:15
L13	253	700/280.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:15
L14	937	700/282.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:15
L15	141	702/54.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:15
L16	590	702/56.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:15
L17	452	702/76.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:16



L18	716	702/104.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:16
L19	2374	702/182.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:16
L20	1681	702/183.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:16
L21	56	706/6.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:19
L22	299	706/23.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:19
L23	778	340/566.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/18 12:20
L25	8353	(8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23)	US-PGPUB; USPAT	OR	ON	2009/06/18 12:21
L26	1	25 and (compar\$4 with (accumulat\$4 total \$4 sum\$7) with (sens \$4 measur\$5 detect \$4) with vibration) and ((pip\$5 conduit tube) with (fluid liquid water aqu\$4 flow gas\$4))	US-PGPUB; USPAT	OR	ON	2009/06/18 12:22



L27	13	(compar\$4 with (accumulat\$4 total\$4 sum\$7) with (sens\$4 measur\$5 detect\$4) with vibration) and ((pip\$5 conduit tube) with (fluid liquid water aqu\$4 flow gas\$4))	US-PGPUB; USPAT	OR	ON	2009/06/18 12:22
L28	492	((sum\$7 add\$7) with vibration with (sens\$4 detect\$4 measur\$7)) and (pip\$4 with (liquid water gas\$4 fluid flow))	US-PGPUB; USPAT	OR	ON	2009/06/18 12:22
L29	21	25 and L28	US-PGPUB; USPAT	OR	ON	2009/06/18 12:22
L30	394	73/ 649.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:30
L31	8728	(8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 30)	US-PGPUB; USPAT	OR	ON	2009/06/18 12:30
L32	25	31 and L28	US-PGPUB; USPAT	OR	ON	2009/06/18 12:30
L33	2	("6289735"   "7171281").PN.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:48
L34	3	("20070010968"   "6006338"   "6915364").PN.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:49
L35	8	("3410779"   "4043008"   "5051743"   "5471884"   "5537335"   "5912499"   "6601005"   "7058542").PN.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:49
L36	12	("20050072239"   "4446741"   "4895031"   "5372041"   "5731522"   "5854994"   "5995910"   "6069560"   "6260004"   "6904476"   "6920789"   "7099852").PN.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:49
L37	1	("5736653").PN.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:49



L38	2	("5796006"   "6397114").PN.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:49
L39	2	("6378364"   "7040179").PN.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:49
L40	2	("4417312"   "4853693").PN.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:49
L41	26	("20020078752"   "20040025593"   "20040093174"   "3967296"   "4355536"   "4393711"   "4448062"   "4536753"   "4641529"   "5014543"   "5369674"   "5497661"   "5650943"   "5756898"   "5854993"   "5874676"   "5956663"   "6289735"   "6367328"   "6493689"   "6567006"   "6584847"   "6597997"   "6601005"   "6751560"   "7010459").PN.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:49
L42	6	("20040093174"   "4255964"   "5047990"   "6567006"   "6597997"   "6751560").PN.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:50
L43	2	("5481200"   "5781024").PN.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:50
L44	5	("20020032544"   "20020148644"   "5854993"   "6289735"   "6546814").PN.	US-PGPUB; USPAT	OR	ON	2009/06/18 12:50



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L46	220	("3096434" "3404264" "3468164" "3590370" "3618592" "3688190" "3691842" "3701280" "3855858" "3973184" "4058975" "4099413" "4102199" "4122719" "4250490" "4337516" "4399824" "4517468" "4528869" "4530234" "4571689" "4635214" "4642782" "4644479" "4649515" "4668473" "4707796" "4720806" "4736367" "4736763" "4777585" "4807151" "4818994" "4831564" "4841286" "4873655" "4907167" "4924418" "4934196" "4939753" "4964125" "4988990"	US-PGPUB; USPAT	OR	ON	2009/06/18 12:51



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L47	292	(33 34 35 36 37 38 39 40 41 42 43 44 45 46)	US-PGPUB; USPAT	OR	ON	2009/06/18 12:57
L48	1128	((sum\$7 add\$7 accumulat\$7 total\$4) with vibration with (sens\$4 detect\$4 measur\$7)) and ((conduit pip\$4 tub\$4) with (liquid water gas \$4 fluid flow))	US-PGPUB; USPAT	OR	ON	2009/06/18 13:03
L49	41	31 and 48	US-PGPUB; USPAT	OR	ON	2009/06/18 13:04
L50	8	47 and 48	US-PGPUB; USPAT	OR	ON	2009/06/18 13:04
L51	92	73/ 861.354.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/18 13:06
L52	301	73/ 861.355.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/18 13:07
L53	204	73/ 861.356.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/18 13:07
L54	272	73/ 861.357.ccls.	US-PGPUB; USPAT	OR	ON	2009/06/18 13:07
L55	106	(51 52 53 54) and 48	US-PGPUB; USPAT	OR	ON	2009/06/18 13:07
L56	31	49 and compar\$4	US-PGPUB; USPAT	OR	ON	2009/06/18 13:09
L57	29	49 and (compar\$4 same vibrat\$4)	US-PGPUB; USPAT	OR	ON	2009/06/18 13:11
L58	16	49 and (compar\$4 same vibrat\$4 same (sum\$7 add\$7 accumulat\$7 total\$4))	US-PGPUB; USPAT	OR	ON	2009/06/18 13:11



L59	53	700/280.ccls.	US-PGPUB	OR	ON	2009/06/18 13:14
L60	463	702/183.ccls.	US-PGPUB	OR	ON	2009/06/18 13:14
L61	150	702/56.ccls.	US-PGPUB	OR	ON	2009/06/18 13:14
L62	66	73/861.355.ccls.	US-PGPUB	OR	ON	2009/06/18 13:15
L63	23	(59 60 61 62) and 48	US-PGPUB	OR	ON	2009/06/18 13:15
L64	3	(59 60 61 62) and 48 and (compar\$4 same vibrat\$4 same (sum\$7 add\$7 accumulat\$7 total\$4))	US-PGPUB	OR	ON	2009/06/18 13:16
S1	40	"700"/\$ and (sens\$3 with vibration) and disturbance and (control\$4 monitor\$3) and input\$4 and output \$4 and loop and process\$3	US-PGPUB; USPAT	OR	ON	2006/04/27 12:15
S2	3	"700"/\$ and (sens\$3 with vibrat\$7) and disturbance and (control\$4 monitor\$3) and input\$4 and output \$4 and loop and process\$3 and (vibrat \$7 same axis) and (neural fuzzy) and vibrat\$7	US-PGPUB; USPAT	OR	ON	2005/05/23 15:17
S3	0	"700"/\$ and (sens\$3 with vibrat\$7) and disturbance and (control\$4 monitor\$3) and input\$4 and output \$4 and loop and process\$3 and (vibrat \$7 same axis) and (neural fuzzy) and vibrat\$7 and wire	US-PGPUB; USPAT	OR	ON	2005/05/23 15:10



S4	0	"700"/\$ and (sens\$3 with vibrat\$7) and disturbance and (control\$4 monitor\$3) and input\$4 and output \$4 and loop and process\$3 and (vibrat \$7 same axis) and (neural fuzzy) and vibrat\$7 and \$7wire	US-PGPUB; USPAT	OR	ON	2005/05/23 15:10
S5	6	"700"/\$ and (sens\$3 with vibrat\$7) and disturbance and (control\$4 monitor\$3) and input\$4 and output \$4 and loop and process\$3 and accelerometer and (neural fuzzy) and vibrat\$7	US-PGPUB; USPAT	OR	ON	2005/05/23 15:18
S6	6	"700"/\$ and (sens\$3 with vibrat\$7) and disturbance and (control\$4 monitor\$3) and input\$4 and output \$4 and loop and process\$3 and accelerometer and (neural fuzzy) and vibrat\$7 and compar\$4	US-PGPUB; USPAT	OR	ON	2005/05/23 15:20
S7	6	"700"/\$ and (sens\$3 with vibrat\$7) and disturbance and (control\$4 monitor\$3) and input\$4 and output \$4 and loop and process\$3 and accelerometer and (neural fuzzy) and vibrat\$7 and compar\$4 and axis	US-PGPUB; USPAT	OR	ON	2005/05/23 16:51



S8	239	("20020032544"   "20020148644"   "3096434"   "3404264"   "3468164"   "3590370"   "3618592"   "3688190"   "3691842"   "3701280"   "3855858"   "3948098"   "3973184"   "4058975"   "4099413"   "4102199"   "4122719"   "4250490"   "4337516"   "4399824"   "4459858"   "4463612"   "4517468"   "4528869"   "4530234"   "4571689"   "4635214"   "4642782"   "4644479"   "4649515"   "4668473"   "4707796"   "4720806"   "4736367"   "4736763"   "4777585"   "4807151"   "4818994"   "4831564"   "4841286"   "4873655"   "4907167"   "4924418"   "4934196"   "4939753"   "4964125"   "4988990"   "4992965"   "5005142"   "5019760"   "5025344"   "5043862"   "5053815"   "5057774"	US-PGPUB; USPAT	OR	ON	2006/02/02 10:43
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S9	1	S8 and (sens\$3 with vibration) and disturbance and (control\$4 monitor\$3) and input\$4 and output \$4 and loop and process\$3	US-PGPUB; USPAT	OR	ON	2005/05/23 16:54
S10	128	control\$4.ab. and ((transmitter controller) same (two with wire)) and (vibrat \$7 with (sens\$3 detect \$4)) and (output\$4 disturbance)	US-PGPUB; USPAT	OR	ON	2005/09/22 19:20
S11	18	"700"/\$ and control\$4.ab. and ((transmitter controller) same (two with wire)) and (vibrat \$7 with (sens\$3 detect \$4)) and (output\$4 disturbance)	US-PGPUB; USPAT	OR	ON	2005/09/22 19:21
S12	16	"700"/\$ and control\$4.ab. and ((transmitter controller) same (two adj wire)) and (vibrat \$7 with (sens\$3 detect \$4)) and (output\$4 disturbance)	US-PGPUB; USPAT	OR	ON	2005/09/22 19:21



S13	1	((sens\$3 with vibration) and (fluid with pip\$3) and ((two with wire) with loop) and (disturbance with vibration))	US-PGPUB; USPAT	OR	ON	2005/11/07 18:27
S14	1	((sens\$3 with vibration) and (fluid with pip\$3) and ((two with wire) with loop) and disturbance	US-PGPUB; USPAT	OR	ON	2005/11/07 18:26
S15	5	((sens\$3 with vibration) and ((two with wire) with loop) and (disturbance with vibration))	US-PGPUB; USPAT	OR	ON	2005/11/08 11:59
S16	6	((sens\$3 detect\$3) with vibrat\$4) and ((two with wire) with loop) and (disturbance with vibrat\$4)	US-PGPUB; USPAT	OR	ON	2005/11/08 12:01
S17	7	((sens\$3 detect\$3) with vibrat\$4) and ((two with wire) with loop) and (disturbance same vibrat\$4)	US-PGPUB; USPAT	OR	ON	2005/11/08 12:06
S18	30	((sens\$3 detect\$3) with vibrat\$4) and (wire with loop) and (disturbance same vibrat\$4)	US-PGPUB; USPAT	OR	ON	2005/11/08 12:09
S19	27	((sens\$3 detect\$3) with vibrat\$4) and (wire with loop) and (disturbance same vibrat\$4) and (monitor \$3 control\$4 transmitter)	US-PGPUB; USPAT	OR	ON	2005/11/08 12:14
S20	7	((sens\$3 detect\$3) with vibrat\$4) and (two with wire with loop) and (disturbance same vibrat\$4) and (monitor\$3 control\$4 transmitter)	US-PGPUB; USPAT	OR	ON	2005/11/08 12:15



S21	82	((sens\$3 detect\$3) with vibrat\$4) and (two with wire) and (disturbance same vibrat\$4) and (monitor\$3 control\$4 transmitter)	US-PGPUB; USPAT	OR	ON	2005/11/08 12:15
S22	8	((sens\$3 detect\$3) with vibrat\$4) and ((two with wire) same loop) and (disturbance same vibrat\$4) and (monitor\$3 control\$4 transmitter)	US-PGPUB; USPAT	OR	ON	2005/11/08 12:26
S23	7	((sens\$3 detect\$3) with vibrat\$4) and ((two with wire) with loop) and (disturbance same vibrat\$4) and (monitor\$3 control\$4 transmitter)	US-PGPUB; USPAT	OR	ON	2005/11/08 12:37
S24	7	((sens\$3 detect\$3) with vibrat\$4) and ((two with wire) with loop) and (disturbance same vibrat\$4) and (monitor\$3 control\$4 transmitter) and (two with wire)	US-PGPUB; USPAT	OR	ON	2005/11/08 14:23
S25	27	longsdorf.in.	US-PGPUB; USPAT	OR	ON	2005/11/08 13:53
S26	11	(randy with longsdorf). in.	US-PGPUB; USPAT	OR	ON	2005/11/08 13:54
S27	10	(randy with longsdorf). in. and fluid	US-PGPUB; USPAT	OR	ON	2005/11/08 13:54
S28	1	(randy with longsdorf). in. and ((two with wire) same loop) and (vibration with sens\$3) and (pip\$3 with fluid)	US-PGPUB; USPAT	OR	ON	2005/11/08 14:03
S29	4	(rosemount).as. and ((two with wire) same loop) and (vibration with sens\$3) and (pip \$3 with fluid)	US-PGPUB; USPAT	OR	ON	2005/11/08 14:05



S30	0	(rosemount).as. and ((two with wire) same loop) and (vibration with sens\$3) and (pip \$3 with fluid) and disturbance	US-PGPUB; USPAT	OR	ON	2005/11/08 14:06
S31	1	"6017143".pn. and (two with wire) and vibration	US-PGPUB; USPAT	OR	ON	2006/06/07 14:48
S32	1	"6289735".pn.	US-PGPUB; USPAT	OR	ON	2006/04/25 18:26
S33	8	(vibration adj sensor) and transmitter and (two with wire) and (piping with fluid)	US-PGPUB; USPAT	OR	ON	2006/04/27 12:18
S34	23	"6289735"	US-PGPUB; USPAT	OR	ON	2006/04/27 12:19
S35	1	"6289735".pn.	US-PGPUB; USPAT	OR	ON	2006/04/27 12:31
S36	3	("20020032544"   "20020148644"   "20040093174"   "3096434"   "3404264"   "3468164"   "3590370"   "3618592"   "3688190"   "3691842"   "3701280"   "3855858"   "3948098"   "3973184"   "4058975"   "4099413"   "4102199"   "4122719"   "4250490"   "4255964"   "4337516"   "4399824"   "4459858"   "4463612"   "4517468"   "4528869"   "4530234"   "4536753"   "4571689"   "4635214"   "4642782"   "4644479"   "4649515"	US-PGPUB; USPAT	OR	ON	2006/04/27 12:39



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"6611775" |  
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"6654697" |  
"6751560" |  
"RE29383").PN. and  
(two with wire) and  
(vibration adj sensor)



		and diagnostic				
S37	119	(vibration with (sens\$3 detect\$3) with (accelerometer and axis)) and (capacitive electrodynamic piezoelectric MEMS (micro with electro with mechanical with system))	US-PGPUB; USPAT	OR	ON	2006/06/07 15:56
S38	11	(vibration with (sens\$3 detect\$3) with (accelerometer and axis)) and (capacitive electrodynamic piezoelectric MEMS (micro with electro with mechanical with system)) and diagnost \$7	US-PGPUB; USPAT	OR	ON	2006/06/07 16:02
S39	90	(vibration with (sens\$3 detect\$3) with (accelerometer and axis)) and (capacitive electrodynamic piezoelectric MEMS (micro with electro with mechanical with system)) and (frequency with vibrat \$4)	US-PGPUB; USPAT	OR	ON	2006/06/07 16:01
S40	0	(vibration with (sens\$3 detect\$3) with (accelerometer and axis)) and (capacitive electrodynamic piezoelectric MEMS (micro with electro with mechanical with system)) and (frequency with vibrat \$4) and Rosemount. as.	US-PGPUB; USPAT	OR	ON	2006/06/07 15:59



S41	0	(vibration with (sens\$3 detect\$3) with (accelerometer and axis)) and (capacitive electrodynamic piezoelectric MEMS (micro with electro with mechanical with system)) and Rosemount.as.	US-PGPUB; USPAT	OR	ON	2006/06/07 16:01
S42	1	(vibration with (sens\$3 detect\$3) with (accelerometer and axis)) and (capacitive electrodynamic piezoelectric MEMS (micro with electro with mechanical with system)) and Rosemount	US-PGPUB; USPAT	OR	ON	2006/06/07 16:01
S43	15	(vibration with (sens\$3 detect\$3) with (accelerometer and axis)) and (capacitive electrodynamic piezoelectric MEMS (micro with electro with mechanical with system)) and industrial	US-PGPUB; USPAT	OR	ON	2006/06/07 16:02
S44	10	(vibration with (sens\$3 detect\$3) with (accelerometer and axis)) and (capacitive electrodynamic piezoelectric MEMS (micro with electro with mechanical with system)) and (fluid with pip\$3)	US-PGPUB; USPAT	OR	ON	2006/06/07 18:39
S45	10	(vibration with (sens\$3 detect\$3) with (accelerometer and axis)) and (electrodynamic piezoelectric MEMS (micro with electro with mechanical with system)) and (fluid with pip\$3)	US-PGPUB; USPAT	OR	ON	2006/06/07 16:11



S46	4	( "20040093174"   "4255964"   "5047990"   "6567006"   "6597997"   "6751560"   "20020078752"   "20040025593"   "20040093174"   "3967296"   "4355536"   "4393711"   "4448062"   "4536753"   "4641529"   "5014543"   "5369674"   "5497661"   "5650943"   "5756898"   "5854993"   "5874676"   "5956663"   "6289735"   "6367328"   "6493689"   "6567006"   "6584847"   "6597997"   "6601005"   "6751560"   "7010459").PN. and (transmitter controller) and (two with wire)	US-PGPUB; USPAT	OR	ON	2006/06/07 18:47
S47	28	( "20040093174"   "4255964"   "5047990"   "6567006"   "6597997"   "6751560"   "20020078752"   "20040025593"   "20040093174"   "3967296"   "4355536"   "4393711"   "4448062"   "4536753"   "4641529"   "5014543"   "5369674"   "5497661"   "5650943"   "5756898"	US-PGPUB; USPAT	OR	ON	2006/06/07 18:47



		"5854993"   "5874676"   "5956663"   "6289735"   "6367328"   "6493689"   "6567006"   "6584847"   "6597997"   "6601005"   "6751560"   "7010459").PN.				
S48	90	"6017143"	US-PGPUB; USPAT	OR	ON	2006/11/13 13:47
S49	1	"6017143".pn.	US-PGPUB; USPAT	OR	ON	2006/11/13 13:47
S50	5	Rosemount.as. and ((process adj device) and vibration).clm.	US-PGPUB; USPAT	OR	ON	2008/07/02 16:56
S51	299	(accumulat\$4 with vibration with (sens\$4 detect\$4 measur\$7))	US-PGPUB; USPAT	OR	ON	2009/01/02 13:05
S52	4	((US-6493689-\$ or US- 6017143-\$ or US- 4536753-\$ or US- 5796006-\$).did.	USPAT	OR	OFF	2009/01/02 13:07
S53	1	S52 and (diagnostic same control\$4)	US-PGPUB; USPAT	OR	ON	2009/01/02 13:07
S54	49	(accumulat\$4 with vibration with (sens\$4 detect\$4 measur\$7)) and pip\$4	US-PGPUB; USPAT	OR	ON	2009/01/02 13:26
S55	2	(accumulat\$4 with vibrat\$4 with (sens\$4 detect\$4 measur\$7)) and pip\$4 and (accumulat\$4 with vibrat\$4 same compar \$4)	US-PGPUB; USPAT	OR	ON	2009/01/02 13:36
S56	146	(accumulat\$4 with vibration) and (vibration with (sens\$4 detect\$4 measur\$7)) and pip\$4	US-PGPUB; USPAT	OR	ON	2009/01/02 13:55
S57	1971	((sum\$7 add\$7) with vibration) and (vibration with (sens\$4 detect\$4 measur\$7)) and pip\$4	US-PGPUB; USPAT	OR	ON	2009/01/02 14:16



S58	1018	((sum\$7 add\$7) with vibration) and (vibration with (sens\$4 detect\$4 measur\$7)) and (pip\$4 with (liquid water gas\$4 fluid flow))	US-PGPUB; USPAT	OR	ON	2009/01/02 14:17
S59	460	((sum\$7 add\$7) with vibration with (sens\$4 detect\$4 measur\$7)) and (pip\$4 with (liquid water gas\$4 fluid flow))	US-PGPUB; USPAT	OR	ON	2009/01/02 14:19
S60	449	S59 not (S54 S56)	US-PGPUB; USPAT	OR	ON	2009/01/02 14:21
S61	46	((sum\$7) with vibration with (sens\$4 detect\$4 measur\$7)) and (pip\$4 with (liquid water gas\$4 fluid flow))	US-PGPUB; USPAT	OR	ON	2009/01/02 14:23
S62	98	(sum\$7 with vibration) and (vibration with (sens\$4 detect\$4 measur\$7)) and (pip\$4 with (liquid water gas \$4 fluid flow)) not (S54 S56)	US-PGPUB; USPAT	OR	ON	2009/01/02 14:24
S63	24	("5736653").PN. ("20050072239"   "4446741"   "4895031"   "5372041"   "5731522"   "5854994"   "5995910"   "6069560"   "6260004"   "6904476"   "6920789"   "7099852").PN. ("3410779"   "4043008"   "5051743"   "5471884"   "5537335"   "5912499"   "6601005"   "7058542").PN. ("20070010968"   "6006338"   "6915364").PN.	US-PGPUB; USPAT	OR	ON	2009/01/02 14:46



S64	2	((vibration adj sensor) and (process adj variable adj sensor)). dm.	US-PGPUB; USPAT	OR	ON	2009/01/02 15:20
S65	72	(compar\$4 with (accumulat\$4 total\$4 sum\$7) with (sens\$4 measur\$5 detect\$4) with vibration)	US-PGPUB; USPAT	OR	ON	2009/04/17 14:46
S66	13	(compar\$4 with (accumulat\$4 total\$4 sum\$7) with (sens\$4 measur\$5 detect\$4) with vibration) and ((pip\$5 conduit tube) with (fluid liquid water aqu\$4 flow gas\$4))	US-PGPUB; USPAT	OR	ON	2009/04/17 14:53
S67	13	(compar\$4 with (accumulat\$4 total\$4 sum\$7) with (sens\$4 measur\$5 detect\$4) with vibration) and ((pip\$5 conduit tube) with (fluid liquid water aqu\$4 flow gas\$4))	US-PGPUB; USPAT	OR	ON	2009/04/17 14:55

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